



United States Department of Agriculture

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Farm Service Agency
Aerial Photography Field Office

PRICES FOR AERIAL IMAGERY & RELATED PRODUCTS

Prices Effective February 1, 2013

Prices are subject to change. Prices listed are for items most frequently requested.

DIGITAL DATA & IMAGERY (SOFTCOPY) COMPRESSED COUNTY MOSAICS (CCM) QUARTER QUADS (QQ) GEOSPATIAL DATA HISTORICAL IMAGES & INDEXES			PHOTOGRAPHY (SOFTCOPY) BLACK & WHITE NEGATIVE (BW) COLOR NEGATIVE (CN) COLOR & COLOR INFRARED POSITIVE (CP/CIRP)		
MEDIA (File Size Range)	QTY	PRICE	SIZE	PRODUCT	PRICE
CD (Up to 651 MB)	1	\$14.00	10" x 10"	Image Scan**	\$13.00
DVD (651 MB to 4.37 GB)	1	\$14.50	PHOTOGRAPHY (HARDCOPY)		
DVD (4.37 GB to 8.74 GB)	2	\$16.50	10" x 10"	Print	\$15.00
DVD (8.74 GB to 13.11 GB)	3	\$19.00	20" x 20"	Print	\$36.00
DVD (13.11 GB to 17.48 GB)	4	\$21.00	20" x 20"	Metallic Print***	\$50.00
FD (Up to 7.44 GB)	1	\$22.50	20" x 24"	Print	\$40.00
FD (7.44 GB to 14.88 GB)	1	\$25.50	20" x 24"	Metallic Print***	\$55.00
FD (14.88 GB to 29.76 GB)	1	\$38.50	24" x 24"	Print	\$44.00
FD (29.76 GB to 59.52 GB)	1	\$62.50	24" x 24"	Metallic Print***	\$60.00
FD (59.52 GB to 119.04 GB)	1	\$ TBD*	30" x 30"	Print	\$57.00
HD (119.04 GB to 465 GB)	1	\$153.50	30" x 30"	Metallic Print***	\$70.00
HD (465 GB to 930 GB)	1	\$178.50	30" x 40"	Print	\$65.00
HD (0.93 GB to 1.86 TB)	1	\$193.50	30" x 40"	Metallic Print***	\$80.00
MEDIA TYPES & PRODUCT FILE SIZES					
CD - Compact Disc / DVD - Digital Versatile Disc / FD - Flash Drive (USB) / HD - Hard Drive Average QQ File Sizes: 1m 4 Band = 190 MB / 1m 3 Band = 145 MB / 2m 3 Band = 45 MB CCM File Size Ranges: 1m 3 Band = Up to 15.2 GB / 2m 3 Band = Up to 1.49 GB CD/DVD furnished unless otherwise specified or total product(s) require larger file size capacity media such as flash or hard drives. Full State or County QQ and CCM file sizes can be determined from the APFO Comprehensive Catalog Listing .					
ORDERING INFORMATION					
Designate PRODUCT SIZE and/or TYPE on order form FSA-441 . Refer to Ordering Instructions . For example: 10" x 10" Image Scan / 10" x 10" Print 24" x 24" Metallic Print Compressed County Mosaic Quarter Quad			PAYMENT	Prepayment is required. We accept Credit Cards. Make checks or money orders payable to: USDA FSA . Purchase orders are accepted from tax-supported agencies. No COD's	
			SHIPMENT	We ship the most economical method. No COD's. Shipping costs are included in the price of the product.	

* TBD - To be determined. Contact customer service for availability.

** Image Scan - Standard resolution at 12.5 microns (2136 dpi) in tagged image file format (.tif). Quantity discounts upon eligibility.

*** Metallic Print - Provides silver luster to enhance colors. Can be used to write and wipe with dry erase marker only.

For special needs not covered elsewhere on this form, contact us directly. Additional fees may apply.

Address Order for Product or Request for Information to:	CUSTOMER SERVICE SECTION USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE 2222 WEST 2300 SOUTH SALT LAKE CITY UT 84119-2020	TELEPHONE: 801-844-2922 FAX: 801-956-3653 E-MAIL: mailto:apfo.sales@slc.usda.gov WEBSITE: http://www.apfo.usda.gov
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PROGRAM AVAILABILITY & IMAGERY TYPE			
PROGRAMS	SCALE OF PHOTOGRAPHY	DATE RANGE	IMAGERY TYPE
NAIP	1:40,000 – 1:60,000	2003 – Present	COLOR & CIR
NAPP	1:40,000	1987 – 2006	BW & CIR
NHAP	1:60,000	1980 - 1987	CIR
FSA & NRCS	1:40,000	1970 – Present	BW
FSA & NRCS	1:20,000	1955 -1970	BW
FS	Various	1955 – Present	BW/ COLOR CIR / MISC
BW-Black & White COLOR-Natural Color CIR-Color Infrared MISC-Other			
ORIGINAL FILM FORMAT & SCALES			
10" X10" Image Scan - Direct copies from the full frame. Not available as sectionals or with scale accuracy.			
APPROXIMATE SCALES OF ORIGINAL PHOTOGRAPHY		DISTANCE ALONG ONE SIDE OF PHOTO	
FRACTIONAL SCALE	10" X 10" SCALES FEET/INCH		
1:20,000	1667		
1:40,000	3333		
1:60,000	5000		

METHODS FOR DETERMINING COVERAGE & IDENTIFICATION						
Visit the GIS Dataset Viewer to determine aerial imagery identification numbers or select image frames from indexes.						
IMAGERY SCAN RESOLUTIONS						
GROUND SAMPLE DISTANCE (GSD) IN FEET & METERS						
MICRONS DPI	12.5 2136	15 1700	17.5 1515	20 1282	25 1016	50 508
Film Scale	feet meters	feet meters	feet meters	feet meters	feet meters	feet meters
1:60,000	2.34 0.71	2.94 0.91	3.30 1.02	3.90 1.19	4.92 1.52	9.84 3.04
1:48,000	1.87 0.57	2.35 0.73	2.64 0.81	3.12 0.95	3.94 1.21	7.87 2.43
1:40,000	1.56 0.48	1.96 0.68	2.20 0.68	2.60 0.79	3.28 1.01	6.56 2.02
1:24,000	0.94 0.29	1.18 0.36	1.32 0.41	1.56 0.48	1.97 0.61	3.94 1.21
1:20,000	0.78 0.24	0.98 0.30	1.10 0.34	1.30 0.40	1.64 0.51	3.28 1.01
1:15,840	0.62 0.19	0.78 0.24	0.87 0.27	1.03 0.31	1.30 0.40	2.60 0.80
1:12,000	0.47 0.14	0.59 0.18	0.66 0.20	0.78 0.24	0.98 0.30	1.97 0.61
1:10,000	0.39 0.12	0.49 0.15	0.55 0.17	0.65 0.20	0.82 0.25	1.64 0.51
Use the following formulas for resolutions and ground sample distance not shown. Dots Per Inch (DPI) Formula: 1/(X microns/1,000,000 * 39.37)= X DPI Example: 20 microns/1,000,000 = 0.00002 * 39.37 = 0.00078 1/0.00078 = 1282 DPI Ground Sample Distance (GSD) Formula: Scale of Photography/DPI/Feet Example: 60,000/2136 = 28.08/12 = 2.34' 2.3' * 0.3048 = 0.71 meters						

EXAMPLES OF FILM EDITING		ENLARGEMENTS		COVERAGE TYPES	
<div><div><div>8-4-81</div><div>107-133</div><div>NHAP 81</div></div><div><div>Date of Photo</div><div>Roll No.</div><div>Exposure No.</div><div>Symbol/Code</div></div><div><div>4-10-84</div><div>22077-173-89</div></div><div><div>Date of Photo</div><div>Roll No.</div><div>Exposure No.</div><div>Symbol/Code</div></div><div>NAPP EXPOSURE</div><div>ALL OTHER PHOTOGRAPHY EXPOSURE</div></div> <div><div><div>8-4-81</div><div>107-133</div><div>NHAP 81</div></div><div><div>Date of Photo</div><div>Roll No.</div><div>Exposure No.</div><div>Symbol/Code</div></div><div><div>8-15-05</div><div>NAIP 05 08365-2</div></div><div><div>Date of Photo</div><div>Roll No.</div><div>Exposure No.</div><div>Symbol/Code</div></div><div>NHAP EXPOSURE</div><div>NAIP EXPOSURE</div></div> <div><div><div>4-10-94</div><div>22013-165-72</div></div><div><div>TC</div><div>EC</div><div>CB</div></div><div>Top Center, Exact Center, and Center Bottom Sectional</div></div> <div><div><div>4-10-94</div><div>22013-165-72</div></div><div><div>L</div><div>R</div></div><div>Left and Right Sectional</div></div> <div><div><div>4-10-94</div><div>22013-165-72</div></div><div><div>D</div><div>A</div><div>C</div><div>B</div></div><div>Quadrant Sectional</div></div>		<div><div>STEREOSCOPIC COVERAGE requires consecutively numbered prints within the line of flight.</div><div>PHYSICAL COVERAGE requires every other print within the line of flight.</div><div><div>CONSECUTIVE EXPOSURES</div><div><div>NAPP 103-200 7-3-91</div><div>NAPP 103-201 7-3-91</div><div>NAPP 103-202 7-3-91</div><div>Stereoscopic Coverage (every photograph within line of flight.)</div></div><div><div>ALTERNATE EXPOSURES</div><div><div>NAPP 103-200 7-3-91</div><div>NAPP 103-202 7-3-91</div><div>Physical Coverage (every other photograph within line of flight.)</div></div></div></div></div>			

ENLARGEMENT SCALES		
Enlargements are reproduced from Image Scans or Quarter Quad (QQ) digital imagery and scales will be approximate. Custom photos are available with map layers added to the imagery such as topography, transportation, and public land survey (see FSA-441B). Labor charges may apply. You may visit the Digital Photo Scale Viewer to see illustrations of various enlargement size coverage and scales.		
2011 NAIP Index	2011 NAIP QQ	1982 Photo Index
1958 Film Frame		